

CLAIM AMENDMENTS

1. (Currently amended) A fixture, having a screw shape, to be implanted in bone tissue, the fixture comprising an uppermost part ~~protruding outside the bone tissue when implanted in the bone tissue~~ and a body part connected to the uppermost part placed in the bone tissue, the body part having a cortical bone coupling part installed in cortical bone and a cancellous bone coupling part installed in cancellous bone,

wherein:

the cancellous bone coupling part ~~comprises~~ includes a large cancellous screw thread formed on a circumferential outer surface of the cancellous bone coupling part and a small cancellous screw thread formed on a ridge of the large cancellous screw thread~~[[,]]~~; and

the cortical bone coupling part ~~comprises~~ includes a small cortical screw thread, a distance between all of two adjacent peaks of the cortical screw thread is the same throughout an entire length of the cortical bone coupling part, and the cortical bone has ~~having~~ a pitch, a root diameter and an outer diameter almost equal to a pitch, a root diameter and an outer diameter of the small cancellous screw thread.

2. (Currently amended) A fixture, having a screw shape, to be implanted in bone tissue, the fixture comprising an uppermost part ~~protruding outside the bone tissue when implanted in the bone tissue~~ and a body part connected to the uppermost part placed in the bone tissue, the body part ~~comprising~~ having a cortical bone coupling part installed in cortical bone and a cancellous bone coupling part installed in cancellous bone,

wherein:

the cancellous bone coupling part ~~comprises~~ includes a large cancellous screw thread formed on a circumferential outer surface of the cancellous bone coupling part and a small cancellous screw thread formed on a ridge of the large cancellous screw thread~~[[,]]~~; and

the cortical bone coupling part ~~comprises~~ includes a large cortical screw thread extending from the large cancellous screw thread and a small cortical screw thread formed on a ridge of the large cortical screw thread, wherein the number of small cortical screw threads formed on a single one of the ridge of the large cortical screw thread is greater than the number of small cancellous screw threads formed on a single one of the ridge of the large cancellous screw thread.

3. (Original) The fixture according to claim 2, wherein the large cortical screw thread has a lead equal to a lead of the large cancellous screw thread,
4. (Original) The fixture according to claim 3, wherein a root diameter of the large cortical screw thread is increased from a lower end thereof to an upper end thereof and is equal to a root diameter of the small cortical screw thread at the upper end thereof.
5. (Original) The fixture according to claim 4, wherein a root diameter of the large cancellous screw thread is constant throughout the cancellous bone coupling part.
6. (Currently amended) The fixture according to claim 1, further comprising[[:]] a plurality of longitudinal grooves formed in a circumferential outer surface of the cortical bone coupling part.
7. (Currently amended) The fixture according to claim 2, further comprising[[:]] a plurality of longitudinal grooves formed in a circumferential outer surface of the cortical bone coupling part.
8. (Currently amended) The fixture according to claim 3, further comprising[[:]] a plurality of longitudinal grooves formed in a circumferential outer surface of the cortical bone coupling part.
9. (Currently amended) The fixture according to claim 4, further comprising[[:]] a plurality of longitudinal grooves formed in a circumferential outer surface of the cortical bone coupling part.
10. (Currently amended) The fixture according to claim 5, further comprising[[:]] a plurality of longitudinal grooves formed in a circumferential outer surface of the cortical bone coupling part.
11. (New) The fixture according to claim 1, wherein the uppermost part is unthreaded, and the body part is threaded.

12. (New) The fixture according to claim 11, wherein the cortical bone coupling part is disposed between the uppermost part and the cancellous bone coupling part, and the cortical bone coupling part comes in direct contact with the uppermost part.

13. (New) The fixture according to claim 1, wherein the uppermost part has a top portion and a bottom portion, and has a conical shape which is reduced in diameter from the bottom portion to the top portion.

14. (New) The fixture according to claim 13, wherein the cortical bone coupling part comes in direct contact with the bottom portion of the uppermost part.

15. (New) The fixture according to claim 2, wherein the uppermost part has a top portion and a bottom portion, and has a conical shape which is reduced in diameter from the bottom portion to the top portion.

16. (New) The fixture according to claim 2, wherein the uppermost part is unthreaded, and the body part is threaded.

17. (New) The fixture according to claim 16, wherein:

the uppermost part has a top portion and a bottom portion; and
the cortical bone coupling part is disposed between the uppermost part and the cancellous bone coupling part, and comes in direct contact with the bottom portion of the uppermost part.

18. (New) The fixture according to claim 2, wherein a width of the ridge of the large cortical screw thread is greater than a width of the ridge of the large cancellous screw thread.